

Claims:

Sub 1

1. A method for the interferometric radar measurement in conjunction with a helicopter operating in accordance with the ROSAR principle (Heli-Radar), characterized in that two coherent receiving antennas with receiving channels are associated with a transmitter of the ROSAR system arranged on the revolving rotary cross; and that the difference (ΔR) in the two distances ($R + \Delta R$, R) from the measured impact point P is calculated, in the manner known per se, based on the wavelength λ of the emitted radar signal and the measured phase difference of the receive echo of the two coherent receiving channels.

2. The method according to claim 1, characterized in that for representing the image dots on the graphics display screen in the ROSAR-system, the sight angle (θ) is used for computing the coordinates of the respective impact point (P, Q).

Sub A2

3. The method according to claim 1 or 2, characterized in that the antennas (A1, A2) and the center of the image on the graphics display screen are in a fixed relation to each other.

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